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U. S. Department of Agriculture - Forest Service,
CENTRAL STATES FOREST EXPERIMENT STATION
In Cooperation With
Ohio Agricultural Experiment Station,
OHIO DIVISION OF FORESTRY

Technical Note 13.

August 1, 1940.

VOLUME TABLE 1/
for
CUCUMBER TREE
(*Magnolia acuminata*)
Stark County, Ohio

Merchantable Stem to a Variable Top Diameter INTERNATIONAL Rule ($\frac{1}{4}$ " Kerf)

Diameter breast high outside bark (inches)	Volume of stem in 12.3-foot logs to merchantable height					Basis in trees
	1 log	2 logs	3 logs	4 logs	5 logs	
	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Number
12	25	64	107	148	-	13
13	29	73	119	167	-	2
14		82	131	187	248	-
15		91	145	207	275	3
16		100	159	227	302	5
17		109	174	248	330	7
18		119	192	269	358	8
19		130	211	292	388	7
20			233	320	427	8
21			262	362	480	7
22			300	419	550	3
23				495	654	1
24					770	-
25					930	1
Basis in trees-- number	0	12	18	21	14	65

1/ Trees climbed and measured by personnel of Work Projects Administration Official Project 65-1-42-166 - "the Ohio Woodland Survey." Measurements taken at 12-foot log lengths above a 1.0-foot stump height. Scaled as 12-foot logs, and additional shorter top logs; top sections less than 8 feet in length scaled as fractions of an 8-foot log. Table prepared in 1940, by the equation method. Coefficient of multiple correlation (R) = .949. Standard error of estimate, 80.4 to 124.2 percent.

A. G. ADMAN
O. D. DILLER

